Name:

p1103: Expand Product of Linear Binomials (v29)

Question 1

Expand the product of linear binomials. $(x + 5)(x - 2)$

$$x^2 - 2x + 5x - 10$$

$$x^2 + 3x - 10$$

Question 2

Expand the product of linear binomials. $(x - 3)(x + 8)$

$$x^2 + 8x - 3x - 24$$

$$x^2 + 5x - 24$$

Question 3

Expand the product of linear binomials. $(x - 2)(x + 8)$

$$x^2 + 8x - 2x - 16$$

$$x^2 + 6x - 16$$

Question 4

Expand the product of linear binomials. $(2x + 4)(-4x - 6)$

$$-8x^2 - 12x - 16x - 24$$

$$-8x^2 - 28x - 24$$

Question 5

Expand the product of linear binomials. $(-8x + 3)(7x - 3)$

$$-56x^2 + 24x + 21x - 9$$

$$-56x^2 + 45x - 9$$

Question 6

Expand the product of linear binomials. $(x-4)(x-6)$

$$x^2-6x-4x+24$$

$$x^2-10x+24$$

Question 7

Expand the product of linear binomials. $(-3x-9)(7x-3)$

$$-21x^2+9x-63x+27$$

$$-21x^2-54x+27$$

Question 8

Expand the product of linear binomials. $(x-9)(x+6)$

$$x^2+6x-9x-54$$

$$x^2-3x-54$$

Question 9

Expand the product of linear binomials. $(4x-1)(3x-4)$

$$12x^2-16x-3x+4$$

$$12x^2-19x+4$$

Question 10

Expand the product of linear binomials. $(5x-9)(4x-2)$

$$20x^2-10x-36x+18$$

$$20x^2-46x+18$$